

EAST Search History

| Ref # | Hits | Search Query | Dbs | Default Operator | Results | Time Stamp |
|-------|------|---|--|------------------|---------|------------------|
| L1 | 18 | ("4827427" "5193068" "5461574" "5467291" "5550760" "5694579" "5732192" "5838047" "5920484" "4827427" "5193068" "5461574" "5467291" "5550760" "5694579" "5732192" "5838047" "5920484") .pr | US-ACRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/04/13 11:37 |
| L2 | 1709 | (kirchoff\$1 kirchoff\$1) | US-ACRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/04/13 11:37 |
| L3 | 899 | (kirchoff\$1 kirchoff\$1) near\$1 lewis\$2 | US-ACRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/04/13 11:37 |
| L4 | 189 | L3 and (capacit\$4 switch\$3) and (capacit\$7 and resist\$4 AND induct\$4) | US-ACRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/04/13 11:37 |
| L5 | 1 | 10/043981 | US-ACRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/04/13 11:37 |
| L6 | 4942 | (L2 kirchoff\$2) | US-ACRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/04/13 11:37 |
| L7 | 135 | L6 and lbn and "non-zero" | US-ACRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/04/13 11:37 |
| L8 | 18 | L7 and 703*.cls. | US-ACRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/04/13 11:37 |
| L9 | 7 | L8 and (switch\$4 toggle\$4) | US-ACRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/04/13 11:37 |
| L10 | 95 | (meth OR loop) and L6 and 703*.cls. | US-ACRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/04/13 11:37 |

EAST Search History

| | | | | | | |
|-----|----|-------------------------|--|----|----|------------------|
| L11 | 51 | L10 and (switch toggle) | US-ACRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/04/13 11:37 |
| L12 | 35 | L11 and branch | US-ACRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/04/13 11:37 |
| L13 | 3 | L12 and cache | US-ACRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/04/13 11:37 |

EAST Search History

| # | Ref | His | Search Query | Dbs | Default Operator | Results | Time Stamp |
|----|-------|-----|--|--|------------------|---------|------------------|
| L1 | 17326 | | (Induct4 and capac7 and (resistor resistance)) | US-ACRUB; USPAT; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:38 |
| L2 | 2426 | | L1 and (branch and node and switch) | US-ACRUB; USPAT; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:38 |
| L3 | 28 | | L2 and 703' clas. | US-ACRUB; USPAT; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:38 |
| L4 | 1228 | | L2 and (simulst4 modelst4 emulst4 automation) | US-ACRUB; USPAT; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:38 |
| L5 | 2123 | | L2 and circuit | US-ACRUB; USPAT; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:38 |
| L6 | 253 | | L5 and cable | US-ACRUB; USPAT; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:38 |
| L7 | 1069 | | L6 and L5 | US-ACRUB; USPAT; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:38 |
| L8 | 249 | | (4823055*404232*5957033*4057693*4287765*4099722*6430711*4110794*5631960*4115848*5537580*424974*5825770*4243313*5943973*4251153*4288836*4262614*4310892*4262627*431448*4267439*4375916*4269129*4425513*4275422*4455653*4281786*4468161*4290317*4485707*4294327*4767513*4297029*4778175*4288232*4792910*4307929*4799366*4309370*4815202*4324546*4847612*4328556*4929819*4330808*4934017*4330810*4865927*433042*4983090*433228*502360*4336762*RE3444*4345889*5371336*4352296*5475586*4360235*5592221*4369745*5671663*4370728*5675651*4371071*5710420*4375747*5745901*4389604*5796767*4384188*5819072*4396276*5832850*4396990*584777*5932026*4419726*6004190*4421837*6201422*4432012*3619583*4432253*3599236*4432458*3599062*4435836*3651495*4438478*3878026*4439917*3807859*44459237).pm. | US-ACRUB; USPAT; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:38 |

EAST Search History

| | | | | | | | |
|-----|---------|--|--|--|----|----|------------------|
| L9 | 100 | | (4406631*4653928*4970462*5399919*4577992*4406631*4653928*4970462*5399919*4577992*4581111*5609416*5689079*5530411*5681111*5713444*5746488*5832325*4982248*5644759*5813438*5154735*4320229*3742185*5025447*5818450*5734586*4343225*4418401*5331897*5297057*5315330*5926534*4488224*5634025*5746576*5802116*5648714*4388986*4654427*5718697*5315011*4463106*5516981*5847367*5927467*4249087*4487457*4799096*4847061*53462057).pm. | US-ACRUB; USPAT; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:38 |
| L10 | 6 | | L9 and 703' clas. | US-ACRUB; USPAT; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:38 |
| L11 | 24 | | 703' clas. and cable. | US-ACRUB; USPAT; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:38 |
| L12 | 93 | | 703' clas. and cable.ab. | US-ACRUB; USPAT; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:38 |
| L13 | 69 | | L12 rec L11 | US-ACRUB; USPAT; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:38 |
| L14 | 1 | | L13 and circuit.ab. | US-ACRUB; USPAT; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:38 |
| L15 | 6 | | 703' clas. and cable.ab. | US-ACRUB; USPAT; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:38 |
| L16 | 57 | | (simulst4 modelst4 emulst4) same cable.ab. | US-ACRUB; USPAT; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:38 |
| L17 | 2964988 | | @? < 2002? | US-ACRUB; USPAT; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:38 |
| L18 | 24 | | L17 and L16 | US-ACRUB; USPAT; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:38 |

EAST Search History

| Ref # | Hits | Search Query | Dbs | Default Operator | Results | Time Stamp |
|-------|-------|---|---|------------------|---------|------------------|
| L1 | 94 | (circuit and induct\$ and capac\$ and topology) and 7037-clas | US-ACRUB; USPAT; EPO, JPO; DERIVENT; IPM, TDB | OR | ON | 2006/04/13 11:44 |
| L2 | 53 | L1 and (branch or (subse or sub sd) set or sub-set)) | US-ACRUB; USPAT; EPO, JPO; DERIVENT; IPM, TDB | OR | ON | 2006/04/13 11:44 |
| L3 | 13 | Induct\$ and L2 | US-ACRUB; USPAT; EPO, JPO; DERIVENT; IPM, TDB | OR | ON | 2006/04/13 11:44 |
| L4 | 6 | L3 and (switch or toggle) | US-ACRUB; USPAT; EPO, JPO; DERIVENT; IPM, TDB | OR | ON | 2006/04/13 11:44 |
| L5 | 10971 | ((ordinary sd)2 differential sd)2 equations) OR ODE) with circuit | US-ACRUB; USPAT; EPO, JPO; DERIVENT; IPM, TDB | OR | ON | 2006/04/13 11:44 |
| L6 | 582 | L5 and (semu\$4 model\$4) | US-ACRUB; USPAT; EPO, JPO; DERIVENT; IPM, TDB | OR | ON | 2006/04/13 11:44 |
| L7 | 16 | 7037-clas. and L5 | US-ACRUB; USPAT; EPO, JPO; DERIVENT; IPM, TDB | OR | ON | 2006/04/13 11:44 |
| L8 | 4 | (solve with circuit) with L5 | US-ACRUB; USPAT; EPO, JPO; DERIVENT; IPM, TDB | OR | ON | 2006/04/13 11:44 |
| L9 | 5372 | L5 and (switch or toggle) | US-ACRUB; USPAT; EPO, JPO; DERIVENT; IPM, TDB | OR | ON | 2006/04/13 11:44 |
| L10 | 12 | L9 and 7037-clas. | US-ACRUB; USPAT; EPO, JPO; DERIVENT; IPM, TDB | OR | ON | 2006/04/13 11:44 |

4/13/2006 11:47:21 AM

C:\Documents and Settings\deliver\Desktop\apps\100439813.wsp

Page 1

EAST Search History

| | | | | | | |
|-----|---------|--|---|----|----|------------------|
| L11 | 1149010 | (simu\$4 emulac\$4 model\$4) | US-ACRUB; USPAT; EPO, JPO; DERIVENT; IPM, TDB | OR | ON | 2006/04/13 11:44 |
| L12 | 5 | L11 and (branch with union with tree) | US-ACRUB; USPAT; EPO, JPO; DERIVENT; IPM, TDB | OR | ON | 2006/04/13 11:44 |
| L13 | 50 | L11 and (branch with (union intersect\$) with tree) | US-ACRUB; USPAT; EPO, JPO; DERIVENT; IPM, TDB | OR | ON | 2006/04/13 11:44 |
| L14 | 10446 | 7037-clas. | US-ACRUB; USPAT; EPO, JPO; DERIVENT; IPM, TDB | OR | ON | 2006/04/13 11:44 |
| L15 | 27 | "switch logic module" | US-ACRUB; USPAT; EPO, JPO; DERIVENT; IPM, TDB | OR | ON | 2006/04/13 11:44 |
| L16 | 18853 | 7037-clas. or 7037-clas. | US-ACRUB; USPAT; EPO, JPO; DERIVENT; IPM, TDB | OR | ON | 2006/04/13 11:44 |
| L17 | 60248 | ((ordinary sd)2 differential sd)2 equations) OR ode) | US-ACRUB; USPAT; EPO, JPO; DERIVENT; IPM, TDB | OR | ON | 2006/04/13 11:44 |
| L18 | 191 | L17 and L16 | US-ACRUB; USPAT; EPO, JPO; DERIVENT; IPM, TDB | OR | ON | 2006/04/13 11:44 |
| L19 | 1222 | arithmetic new3 maximum | US-ACRUB; USPAT; EPO, JPO; DERIVENT; IPM, TDB | OR | ON | 2006/04/13 11:44 |
| L20 | 1 | L18 and L19 | US-ACRUB; USPAT; EPO, JPO; DERIVENT; IPM, TDB | OR | ON | 2006/04/13 11:44 |

4/13/2006 11:47:21 AM

C:\Documents and Settings\deliver\Desktop\apps\100439813.wsp

Page 2

EAST Search History

| | | | | | |
|-----|-------|-------------------------|----|----|------------------|
| L21 | 11113 | arithmetic same maximum | OR | ON | 2006/04/13 11:44 |
| L22 | 1222 | L19 and L21 | OR | ON | 2006/04/13 11:44 |
| L23 | 4 | L18 and L21 | OR | ON | 2006/04/13 11:44 |

EAST Search History

| Ref # | Hits | Search Query | Dbs | Default Operator | Plurals | Time Stamp |
|-------|-------|--|---|------------------|---------|------------------|
| L1 | 1750 | (maximum same minimum) same (up down) positive negative rs3 rs4 rs5 (edge or sensitive) | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/13 11:47 |
| L2 | 46 | (rs3 OR negative OR positive OR rs4) WITH minimum ADJ (rs4 OR vector OR output OR grain) SAME (sensitive OR n-type) OR edge) | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/13 11:47 |
| L3 | 1750 | (maximum same minimum) same (up down) positive negative rs3 rs4 rs5 (edge or sensitive) | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/13 11:47 |
| L4 | 4409 | (maximum or minimum) with (vector or output or result) with (rs3 rs4) (edge or level) | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/13 11:47 |
| L5 | 4409 | (maximum or minimum) with (vector or output or result) with (rs3 rs4) (edge or level) | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/13 11:47 |
| L6 | 52 | L5 and ("703" cls: "716" cls) | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/13 11:47 |
| L7 | 862 | (negative with minimum) and L4 | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/13 11:47 |
| L8 | 18853 | ("703" cls: "716" cls) | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/13 11:47 |
| L9 | 8 | L6 and L7 | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/13 11:47 |

EAST Search History

| Ref # | Hits | Search Query | Dbs | Default Operator | Results | Time Stamp |
|-------|-------|--|--|------------------|---------|------------------|
| L1 | 1 | system with processor with (medium or memory) with build with state with equations | US-ACRUB; USPAT; USOCK; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:51 |
| L2 | 1 | system with (medium or memory) with build with state with equations | US-ACRUB; USPAT; USOCK; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:51 |
| L3 | 11 | system with build with state with equations | US-ACRUB; USPAT; USOCK; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:51 |
| L4 | 18853 | 7107 cls. or 7167 cls. | US-ACRUB; USPAT; USOCK; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:51 |
| L5 | 136 | maximum near3 (output near3 vector) | US-ACRUB; USPAT; USOCK; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:51 |
| L6 | 2849 | maximum same (output with vector) | US-ACRUB; USPAT; USOCK; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:51 |
| L7 | 50 | L6 and L4 | US-ACRUB; USPAT; USOCK; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:51 |
| L8 | 194 | bidirectional x0/2 latch | US-ACRUB; USPAT; USOCK; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:51 |
| L9 | 4 | L8 and L4 | US-ACRUB; USPAT; USOCK; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:51 |
| L10 | 1865 | (circuit x0/3 simulate4) it. | US-ACRUB; USPAT; USOCK; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:51 |

4/13/2006 11:52:49 AM

C:\Documents and Settings\deliver\Desktop\apps\100439815.wsp

Page 1

EAST Search History

| | | | | | | |
|-----|------|--|--|----|----|------------------|
| L11 | 21 | L10 and topology | US-ACRUB; USPAT; USOCK; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:51 |
| L12 | 4407 | circuit simulation | US-ACRUB; USPAT; USOCK; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:51 |
| L13 | 484 | L12 and topology | US-ACRUB; USPAT; USOCK; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:51 |
| L14 | 16 | L13 and (edge level) x0/2 (sensitive triggered) x0/2 (flip-flop or flip x0/2 flop or flipflop latch) | US-ACRUB; USPAT; USOCK; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:51 |
| L15 | 110 | change with ((edge level) x0/2 (sensitive triggered) x0/2 (flip-flop or flip x0/2 flop or flipflop latch)) | US-ACRUB; USPAT; USOCK; EPO, JPO; DERWENT; IBM, TDB | OR | ON | 2006/04/13 11:51 |

4/13/2006 11:52:49 AM

C:\Documents and Settings\deliver\Desktop\apps\100439815.wsp

Page 2